

# A Messaging Method and Apparatus For Routing Messages In A Client Server Environment Over Multiple Wireless and Wireline Networks

## *Abstract of the Invention*

5 A messaging system, method, and computer program product is disclosed, including a client device having stored therein a client application, which is adapted to be executed by the client device, a server having stored therein a server application, which is adapted to be executed by the server, a plurality of wireless networks, each of which is adapted to communicate messages between the client device and the server, and support  
10 one or more wireless network protocols, a protocol gateway encapsulating a fundamental network protocol, which underlies each of the one or more wireless network protocols, means for communicating a message between the client application and the server application, over a selected wireless network protocol through the protocol gateway, independent of the selected wireless network protocol, and a message router for routing  
15 the message between the protocol gateway and the server, the message router including means for authenticating an origin of the message, wherein the authenticating means authenticates the origin before the message is routed by the message router, and a database, which is accessible by the message router and adapted to store information relating to routing and authentication of the message. Moreover, the present invention  
20 features methods of communicating such messages over wireless networks efficiently, without requiring significant bandwidth, a valuable resource in wireless networks.

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